## SEQUENCE LISTING

<110> Holloway, James L.

<120> A Method and System for Detecting Near Identities in Large DNA Databases

<130> 99-61

<160> 3

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Illustrative nucleotide sequence.

<400> 1

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32

<210> 2

<211> 33

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<212> DNA
      <213> Artificial Sequence
      <220>
       <223> Illustrative nucleotide sequence.
       <400> 2
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       <210> 3
       <211> 50
       <212> DNA
       <213> Artificial Sequence
       <220>
       <223> Illustrative nucleotide sequence.
       <400> 3
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50
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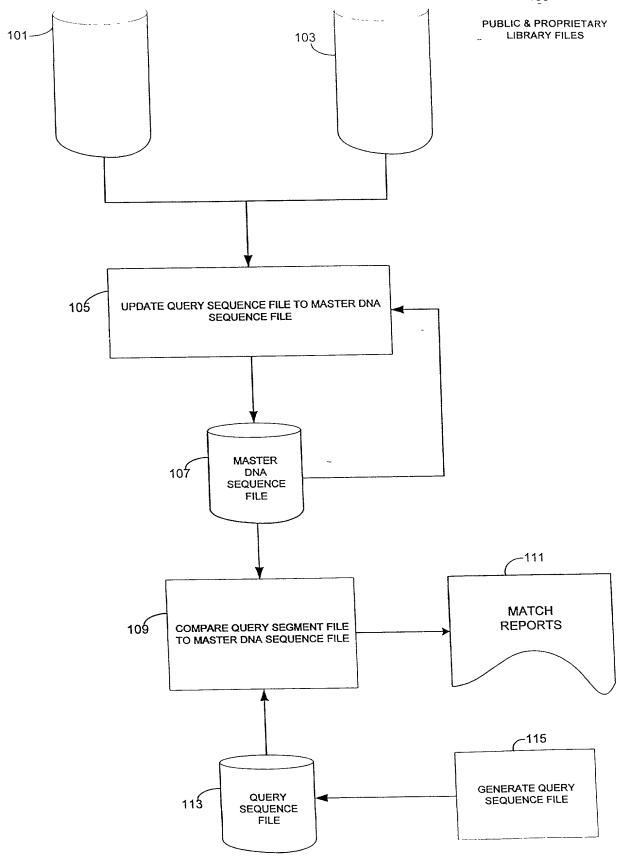
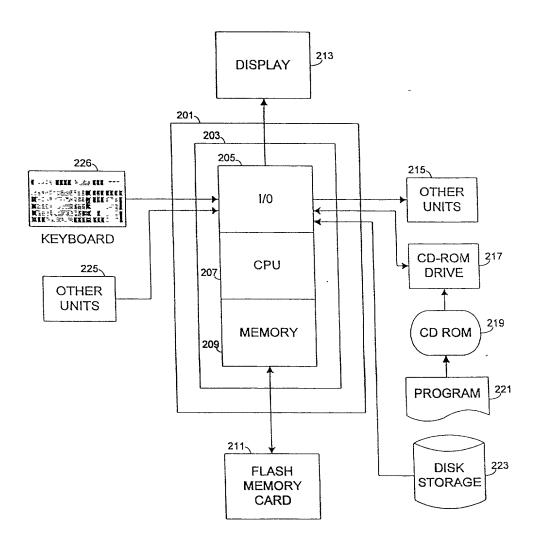
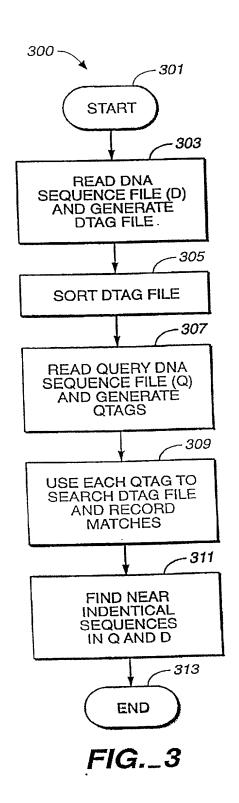
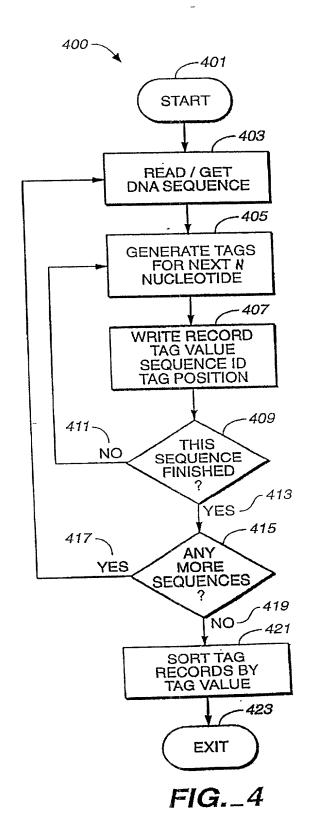
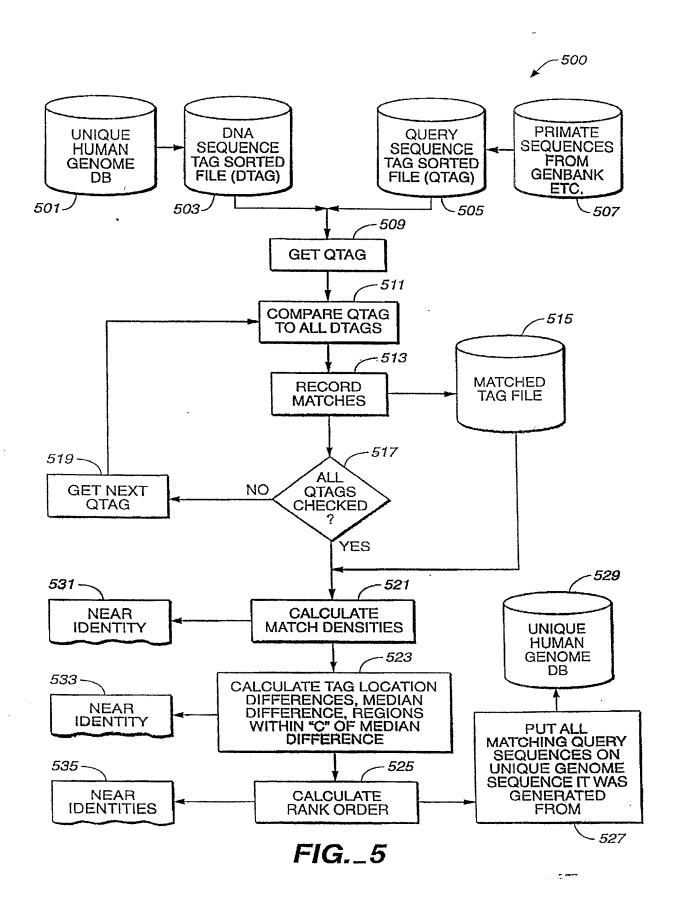


Figure 2
200 Typical General Purpose Computer/









## FIGURE 6

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swiss-prot like format:
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       6037
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601 - ID
         Z0; 609
607 -AC
         /vols/pdata/na/genomic/GEN HUMAN.NDB; AC003656;
611 - DR
    753000 0 753000 Z0 753000 0 753000
                                                249 1.00
                                      6197
    0.00 3847 933110467
         /vols/pdata/na/genomic/GEN HUMAN.NDB; AQ474914;
635-350 1 289 Z0 753000 557888 558176 9 -1.00 0.00 262-
636-933110467 621
          /vols/pdata/na/genomic/GEN HUMAN.NDB; AQ484430;
     346 6 299 Z0 753000 265056 265\overline{3}44 5 -1.00 1.00 262
     933110467
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              ZO 753000 660416 660832 14 -1.00 0.00 262
     41 457
     933110467
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     551 41 489 Z0 753000 323936 324384 15 -1.00 0.00 262
     933110467
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              Z0 753000 -286656 -286240
                                              14 -1.00 0.00
     2 418
     390 933110467
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     6 422
     933110467
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     3 419
     390 933110467
          /vols/pdata/na/genomic/GEN HUMAN.NDB; G34625; 480
              28 444
     933110467
           /vols/pdata/na/genomic/GEN HUMAN.NDB; G34628; 480
              ZO 753000 491296 491712 12 -1.00 0.30 262
     12 429
     933110467
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      629 17 593 Z0 753000 379104 379\overline{6}80 12 -1.00 0.00 262
      933110467
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      933110467
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      933110467
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## FIGURE 6 (continued)

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               Z0 753000 -136224 -136064
    390 933110467
          /vols/pdata/na/genomic/GEN_HUMAN.NDB; AQ582860;
    523 27 443 Z0 753000 -370656 -370240
    0.00 390 933110467
          /vols/pdata/na/genomic/GEN_HUMAN.NDB; HSMC12B05;
                         Z0 753000 -216640 -216480
     214 16 176
     1.00 0.00 390 933110467
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                                                    11 -1.00 0.00
     20 340
     390 933110467
          /vols/pdata/na/genomic/GEN_HUMAN.NDB; B69654; 582
               20^{-}753000 226048 22649\overline{6} 13 -1.00 0.00 262
     933110467
     DR
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                                               Z0 753000 -215936 -
     .fasta; AQ746139; 841 59 731
                    15 -1.00 0.00 390 933286163DR
     215264
     /home/disc/holloway/software/genomic_uniq/data/gen_0729
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     .fasta; AQ729823; 445 42 395
     104800 10 -1.00 0.38 262 933286163
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